

APPENDIX 3: REQUIRED INFORMATION FOR STREET AND UTILITY PLAN AND PROFILE SHEETS

Information:

Stormwater drainage calculations shall be submitted with site drainage sheet along with construction plans and profiles on all projects.

Map size:

Plans and profiles submitted shall be on sheets 24" x 42" in size. Plans and profiles submitted for public streets or utilities shall be from mylar sheets furnished by the City.

Cover sheet (e.g. preliminary plan) showing layout of overall development (key map with sheet index required for all projects involving over 10 sheets)

Vicinity map on cover sheet (typically drawn in upper right corner)

User fee schedule at top of cover sheet

Name and limits of roadway or utility line

Name of development

Owner's name

Location (including city, township, county, and state)

Date sheet prepared and revised

Name, address, and telephone number of plan preparer (registered engineer)

Engineer's seal registered and licensed in North Carolina

North arrow and orientation (sheets will not be accepted for review with north facing toward the bottom of sheet)

Profile vertical and horizontal scales:

Public streets and utilities (horizontal scale: 1"=40'; vertical scale: 1"=4')

Private streets and utilities (horizontal scale: 1"=40'; vertical scale: 1"=4')

Intersecting property lines and lot numbers of lots adjoining the streets

Existing and proposed railroads and rights-of-way

Existing and proposed watercourses, culverts, and storm drains

Right-of-way lines and right-of-way width dimensions

Existing and proposed street lines and pavement widths

Existing and proposed cul-de-sac lines with radius of pavement and of right-of-way

Existing and proposed street names

Typical street cross-section

Location and dimension of all utility and other easements

Utility layouts for: sanitary sewer lines, storm sewer lines, water distribution lines, and other drainage facilities illustrating connections to existing utility systems, indicating line or pipe sizes and materials, locations of fire hydrants, valves, blowoffs, manholes, and curb inlets

Show entire intersection on one plan and profile sheet

Show all storm sewer lines in extended view in profile on same street as plan view

Centerline stationing on both plan and profile. Stationing shall run from left side of sheet to right.
Show limits of construction and station number

Plan and profile of stubbed streets shall be extended approximately 200 feet beyond limits of construction

Independent stationing of water and sanitary sewer lines

Elevations where storm sewer, sanitary sewer, or water lines cross

Work not done by contractor shall be indicated by note and arrow

Elevation and station at all match lines and intersections

Profile grade (in percent)

Existing topography on profile shown by dashed line

Top of curb elevation (in plan view) indicating curb radii, point of curvature, and point of tangency

Design engineering data for all curves (horizontal and vertical)

Intersecting grades and drainage flows on side streets shown for approximately 300 feet

Detail sheets showing manholes, fire hydrants, catch basins, street cross-sections, etc.

Approval notation (as designated by City)